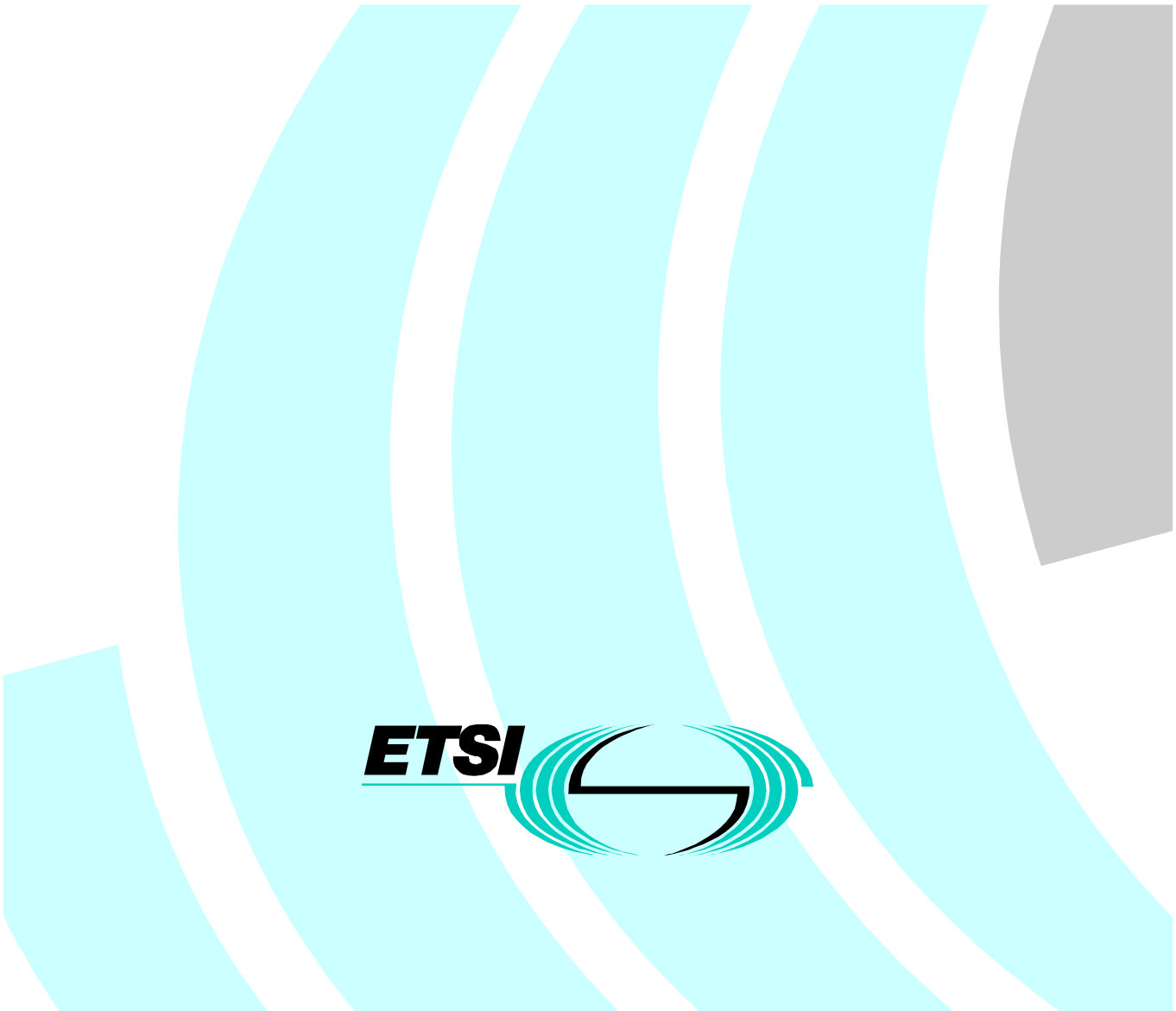
ETSI TS 101 823-2-1 V1.1.1 (2000-09)

Technical Specification

Broadband Radio Access Networks (BRAN);
HIPERLAN Type 2;
Conformance testing for
the Data Link Control (DLC) protocol;
Part 2: Radio Link Control (RLC) sublayer
Sub-part 1: Protocol Implementation Conformance Statement (PICS) proforma



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Foreword

This Technical Specification (TS) has been produced by ETSI Project Broadband Radio Access Networks (BRAN).

The present document is sub-part 1 of a multi-part deliverable covering Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the Data Link Control (DLC) layer; Part 2: Radio Link Control (RLC) sublayer, as identified below:

Sub-part 1: "Protocol Implementation Conformance Statement (PICS) proforma";

Sub-part 2: "Test Suite Structure and Test Purposes (TSS&TP) specification";

Sub-part 3: "Abstract Test Suite (ATS) specification".

Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called a Protocol Implementation Conformance Statement (PICS).

1 Scope

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for the Radio Link Control (RLC) layer of Hiperlan type 2 as defined in TS 101 761-2 [1] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [4] and ETS 300 406 [2].

It details in tabular form the implementation options, i.e. the optional functions additional to those which are mandatory to implement.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] ETSI TS 101 761-2 (V1.1.1): "Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 2: Radio Link Control (RLC) sublayer".

[2] ETSI ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

[3] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[4] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

- terms defined in TS 101 761-2 [1];
- terms defined in ISO/IEC 9646-1 [3] and in ISO/IEC 9646-7 [4].

In particular, the following terms defined in ISO/IEC 9646-1 [3] apply:

Implementation Conformance Statement (ICS): statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

ICS proforma: document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS.

Protocol ICS (PICS): ICS for an implementation or system claimed to conform to a given protocol specification.

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

ACF	Association Control Function
AP	Access Point
BCH	Broadcast CHannel
CC	Central Controller
CL	Convergence Layer
DCC	DLC user Connection Control
DES	Data Encryption Standard
DFS	Dynamic Frequency Selection
DLC	Data Link Control
DM	Direct Mode
DUC	DLC User Connection
EC	Error Control
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
IV	Initialization Vector
MAC	Medium Access Control
MT	Mobile Terminal
PDU	Protocol Data Unit
PICS	Protocol ICS
RLC	Radio Link Control
RRC	Radio Resource Control
SCS	System Conformance Statement
SUT	System Under Test

4 Conformance to this PICS proforma specification

If it claims to conform to the present document, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma given in Annex A, and shall preserve the numbering/naming and ordering of the proforma items.

A PICS which conforms to the present document shall be a conforming PICS proforma completed in accordance with the guidance for completion given in clause A.1.

Annex A (normative): Protocol ICS proforma for TS 101 761-2 V1.1.1

A.1 Guidance for completing the PICS proforma

A.1.1 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in TS 101 761-2 [1] may provide information about the implementation in a standardized manner.

The PICS proforma is subdivided into subclauses for the following categories of information:

- guidance for completing the PICS proforma;
- identification of the implementation;
- identification of the TS 101 761-2 [1];
- global statement of conformance;
- roles;
- Mobile Terminal MT,
  - major capabilities,
  - PDUs,
  - PDU parameters,
  - timers.
- Access Point AP;
  - major capabilities,
  - PDUs,
  - PDU parameters,
  - timers.

A.1.2 Abbreviations and conventions

The PICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [4].

Item column

The item column contains a number which identifies the item in the table.

Item description column

The item description column describes in free text each respective item (e.g. parameters, timers, etc.). It implicitly means "is <item description> supported by the implementation?".

Status column

The following notations, defined in ISO/IEC 9646-7 [4], are used for the status column:

m	mandatory - the capability is required to be supported.
o	optional - the capability may be supported or not.
n/a	not applicable - in the given context, it is impossible to use the capability.
x	prohibited (excluded) - there is a requirement not to use this capability in the given context.
o.i	qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which identifies an unique group of related optional items and the logic of their selection which is defined immediately following the table.
ci	conditional - the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of other optional or conditional items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table.
i	irrelevant (out-of-scope) - capability outside the scope of the reference specification. No answer is requested from the supplier.

NOTE 1: This use of "i" status is not to be confused with the suffix "i" to the "o" and "c" statuses above.

Reference column

The reference column makes reference to TS 101 761-2 [1], except where explicitly stated otherwise.

Support column

The support column shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [4], are used for the support column:

Y or y	supported by the implementation.
N or n	not supported by the implementation.
N/A, n/a or -	no answer required (allowed only if the status is n/a, directly or after evaluation of a conditional status).

If this PICS proforma is completed in order to describe a multiple-profile support in a system, it is necessary to be able to answer that a capability is supported for one profile and not supported for another. In that case, the supplier shall enter the unique reference to a conditional expression, preceded by "?" (e.g. ?3). This expression shall be given in the space for comments provided at the bottom of the table. It uses predicates defined in the SCS, each of which refers to a single profile and which takes the value TRUE if and only if that profile is to be used.

EXAMPLE 1: ?3: IF prof1 THEN Y ELSE N

NOTE 2: As stated in ISO/IEC 9646-7 [4], support for a received PDU requires the ability to parse all valid parameters of that PDU. Supporting a PDU while having no ability to parse a valid parameter is non-conformant. Support for a parameter on a PDU means that the semantics of that parameter are supported.

Values allowed column

The values allowed column contains the type, the list, the range, or the length of values allowed. The following notations are used:

- range of values: <min value> .. <max value>
  example: 5 .. 20

- list of values: <value1>, <value2>, ..., <valueN>
  example: 2, 4, 6, 8, 9
  example: '1101'B, '1011'B, '1111'B
  example: '0A'H, '34'H, '2F'H

- list of named values: <name1>(<val1>), <name2>(<val2>), ..., <nameN>(<valN>)
  example: reject(1), accept(2)

- length: size (<min size> .. <max size>)
  example: size (1 .. 8)

Values supported column

The values supported column shall be filled in by the supplier of the implementation. In this column, the values or the ranges of values supported by the implementation shall be indicated.

References to items

For each possible item answer (answer in the support column) within the PICS proforma a unique reference exists, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a **solidus** character "/", followed by the item number in the table. If there is more than one support column in a table, the columns are discriminated by letters (a, b, etc.), respectively.

EXAMPLE 2: A.5/4 is the reference to the answer of item 4 in Table A.5.

EXAMPLE 3: A.6/3b is the reference to the second answer (i.e. in the second support column) of item 3 in Table A.6.

Prerequisite line

A prerequisite line takes the form: Prerequisite: <predicate>.

A prerequisite line after a clause or table title indicates that the whole clause or the whole table is not required to be completed if the predicate is FALSE.

A.1.3 Instructions for completing the PICS proforma

The supplier of the implementation shall complete the PICS proforma in each of the spaces provided. In particular, an explicit answer shall be entered, in each of the support or supported column boxes provided, using the notation described in subclause A.1.2.

However, the tables containing in "user role" or "Mobile Terminal MT" subclause shall only be completed for MT implementations, and the tables containing in "network role" or "Access Point AP" subclause shall only be completed for AP implementations.

If necessary, the supplier may provide additional comments in space at the bottom of the tables or separately.

More detailed instructions are given at the beginning of the different subclauses of the PICS proforma.

A.2 Identification of the implementation

Identification of the Implementation Under Test (IUT) and the system in which it resides (the System Under Test (SUT)) should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the PICS should be named as the contact person.

A.2.1 Date of the statement

.....

A.2.2 Implementation Under Test (IUT) identification

IUT name:

.....

.....

IUT version:

.....

A.2.3 System Under Test (SUT) identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

A.2.4 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.5 Client (if different from product supplier)

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

A.2.6 PICS contact person

(A person to contact if there are any queries concerning the content of the PICS).

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.3 Identification of the EN

This PICS proforma applies to the following standard:

TS 101 761-2 (V1.1.1): "Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Data Link Control (DLC) Layer; Part 2: Radio Link Control (RLC) sublayer".

A.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the TS 101 761-2 [1] specification. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming, on pages attached to the PICS proforma.

A.5 Roles

Table A.1: Roles

Item	Role	Reference	Status	Support
1	Mobile Terminal MT	4	o.1	
2	Access Point AP	4	o.1	

o.1: It is mandatory to support at least one of these items.

Comments:

A.6 Mobile Terminal MT

This subclause contains the PICS proforma tables related to the Mobile Terminal MT. They need to be completed for description of MT implementations only.

Prerequisite: A.1/1 Mobile Terminal MT

A.6.1 Major MT capabilities and functionalities of RLC

Table A.2: Major MT functionalities

Item	Services supporting:	Reference	Status	Support
1	Association Control Function ACF	5.1	m	
2	Radio Resource Control RRC	5.2	m	
3	DLC User Connection Control DUC	5.3	m	

A.6.1.1 Services supporting ACF: Association Control Function

The supplier of the implementation shall state the support of the implementation for the services required by each of the following ACF procedures and associated capabilities.

Table A.3: MT ACF procedures

Item	Services supporting:	Reference	Status	Support
1	Association functions	5.1.1	m	
2	Encryption	5.1.2	m	
3	Authentication	5.1.2	m	
4	Disassociation	5.1.3	m	
5	Multicast	5.1.4	o	
6	CL Broadcast	5.1.5	o	
7	Association Rejection	5.1.6	m	

Comments:

A.6.1.1.1 Association functions

Table A.4: MT Association functions

Item	Capabilities	Reference	Status	Support
1	MT receives Association message	5.1.1.1	m	
2	MT sends Association request message	5.1.1.1	m	
3	MT initiates checking of Convergence Layer Ids	5.1.1.1	m	
4	MT supports multiple CL_Id	5.1.1.1	o	
5	MT sends request for Mac ID assignment	5.1.1.2	m	
6	MT initiates exchange of link capabilities	5.1.1.3	m	
7	MT initiates info transfer procedure with AP (or with MT for Direct Link purpose)	5.1.1.8	o	

Table A.5: MT Link capabilities

Item	Capabilities	Reference	Status	Support
1	MT supports direct mode	5.1.1.3	o	

A.6.1.1.2 Security functions

Table A.6: MT Security functions

Item	Capabilities	Reference	Status	Support
1	MT supports user data encryption and initiates encryption start-up	5.1.1.4	m	
2	MT supports authentication	5.1.1.5, 5.1.1.6	m	
3	MT supports Direct Mode common key distribution	5.1.1.7	c601	

c601: IF A.5/1 -- If MT supports Direct mode
THEN m -- then mandatory
ELSE n/a

Table A.7: MT Encryption algorithm

Item	Capabilities	Reference	Status	Support
1	DES encryption	5.1.2.5	m	
2	Triple DES encryption	5.1.2.5	o	

Table A.8: MT Encryption keys

Item	Capabilities	Reference	Status	Support
1	DES encryption for unicast	5.1.2.5	m	
2	DES encryption for multicast	5.1.2.5	c801	
3	DES encryption for broadcast	5.1.2.5	c802	
4	Triple DES encryption for unicast	5.1.2.5	c803	
5	Triple DES encryption for multicast	5.1.2.5	c804	
6	Triple DES encryption for broadcast	5.1.2.5	c805	

c801: IF A.3/5 -- If MT supports multicast
THEN m -- then mandatory
ELSE n/a

c802: IF A.3/6 -- If MT supports broadcast
THEN m -- then mandatory
ELSE n/a

c803: IF A.7/2 -- If MT supports Triple DES
THEN m -- then mandatory
ELSE n/a

c804: IF A.3/5 AND A.7/2 -- If MT supports multicast AND Triple DES
THEN m -- then mandatory
ELSE n/a

c805: IF A.3/6 AND A.7/2 -- If MT supports broadcast AND Triple DES
THEN m -- then mandatory
ELSE n/a

Table A.9: MT Key management

Item	Capabilities	Reference	Status	Support
1	MT refreshes unicast encryption key	5.1.2.2	m	
2	MT refreshes common encryption keys for multicast	5.1.2.3	c901	
3	MT refreshes common encryption keys for broadcast	5.1.2.3	c902	

c901: IF A.3/5 -- If MT supports multicast
THEN m -- then mandatory
ELSE n/a
c902: IF A.3/6 -- If MT supports Broadcast
THEN m -- then mandatory
ELSE n/a

Table A.10: Authentication key identifiers assigned in MT

Item	Capabilities	Reference	Status	Support
1	IEEE address	5.1.1.5.3	o.2	
2	Extended IEEE address	5.1.1.5.3	o.2	
3	Network access identifier	5.1.1.5.3	o.2	
4	Distinguished name X509	5.1.1.5.3	o.2	
5	Compressed type	5.1.1.5.3	o.2	
6	Generic type	5.1.1.5.3	o.2	

o.2 support of one of these items is mandatory, others are optional

Table A.11: MT Authentication algorithms

Item	Capabilities	Reference	Status	Support
1	MD5 HMAC algorithm	5.1.2.6.1	m	
2	Public key based algorithm (RSA)	5.1.2.6.1	o	

Table A.12: RSA Authentication protocols in MT

Prerequisite: A.11 /2 MT supports public key based authentication

Item	Capabilities	Reference	Status	Support
1	RSA512 bit signature	5.1.1.6.2	o.3	
2	RSA768 bit signature	5.1.1.6.3	o.3	
3	RSA1024 bit signature	5.1.1.6.4	o.3	

o.3: support at least one of these items if A.11 /2 -- MT supports public key based authentication

A.6.1.1.3 Disassociation functions

Table A.13: MT Disassociation

Item	Procedures	MT Initiating			MT Receiving		
		Reference	Status	Support	Reference	Status	Support
1	Explicit disassociation	5.1.3	m		5.1.3	m	
2	Implicit disassociation initiated by MT	5.1.3	m			n/a	

A.6.1.1.4 Multicast functions

Table A.14: MT Multicast

Prerequisite: A.3/5 MT supports multicast

Item	Capabilities	Reference	Status	Support
1	MT initiates multicast (group join)	5.1.4	m	
2	MT leaves multicast group (group - leave)	5.1.4	o	

A.6.1.1.5 CL Broadcast functions

Table A.15: MT CL broadcast

Prerequisite: A.3/6 MT supports CL Broadcast

Item	Capabilities	Reference	Status	Support
1	MT initiates Broadcast (broadcast join)	5.1.5	m	
2	MT leaves Broadcast (broadcast - leave)	5.1.5	0	

A.6.1.2 Services supporting RRC: Radio Resource Control

The supplier of the implementation shall state the support of the implementation for the services required by each of the following RRC procedures and associated capabilities.

Table A.16: MT RRC procedures

Item	Capabilities	Reference	Status	Support
1	Handover	5.2.1	o	
2	DFS Dynamic Frequency Selection	5.2.2	m	
3	Transmission Power Control	5.2.3	m	
4	MT alive	5.2.4	m	
5	MT absence	5.2.5	o	
6	MT sleep / power saving	5.2.6	o	

Comments:

Table A.17: MT Handover capabilities

Prerequisite: A.16 /1 MT supports handover

Item	Capabilities	Reference	Status	Support
1	MT supports Sector handover	5.2.1.1	o	
2	MT supports Radio handover	5.2.1.2	o	
3	MT supports Network handover	5.2.1.3	m	
4	Token distribution for Network handover	5.2.1.4	m	
6	Handover Rejection	5.2.1.5	m	
5	Handover is forced by AP	5.2.1.6	o	

Table A.18: MT DFS Dynamic Frequency Selection measurements

Item	Capabilities	Reference	Status	Support
1	MT performs and reports measurements requested by AP	5.2.2.3	m	
2	MT performs and reports self initiated measurements	5.2.2.3	o	
3	MT performs change of operating frequency requested by AP	5.2.2.6	o	

A.6.1.3 Services supporting DUC: DLC User Connection Control

The supplier of the implementation shall state the support of the implementation for the services required by each of the following DUC procedures and associated capabilities.

Table A.19: MT DUC procedures

Item	Procedures	Reference	Status	Support
1	MT supports Centralized mode: Unicast radio connection	5.3.1	m	
2	MT supports Centralized mode: Multicast radio connection	5.3.5	c1901	
3	MT supports Centralized mode: Broadcast radio connection	5.3.6	c1902	
4	MT supports Direct Link: Unicast radio connection	5.3.7	c1903	
5	MT supports Direct Link: Multicast radio connection	5.3.11	c1904	
6	MT supports Direct Link: Broadcast radio connection	5.3.12	c1905	

c1901: IF A.3/5 -- If MT supports multicast
THEN m -- then mandatory
ELSE n/a

c1902: IF A.3/6 -- If MT supports broadcast
THEN m -- then mandatory
ELSE n/a

c1903: IF A.5/1 -- If MT supports Direct mode
THEN m -- then mandatory
ELSE n/a

c1904: IF A.3/5 AND A.5/1 -- If MT supports multicast AND Direct mode
THEN m -- then mandatory
ELSE n/a

c1905: IF A.3/6 AND A.5/1 -- If MT supports broadcast AND Direct mode
THEN m -- then mandatory
ELSE n/a

Comments:

Table A.20: One or more Unicast radio connection

Item	Procedures	MT Initiating			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	DUC setup radio connection	5.3.1.2	m		5.3.1.1	m	
2	DUC release radio connection	5.3.2.2	m		5.3.2.1	m	
3	DUC modify radio connection	5.3.3.2	o		5.3.3.1	o	
4	DUC reset radio connection	5.3.4.2	m		5.3.4.1	m	

Table A.21: MT Direct Link radio connection

Prerequisite: A.5/1 MT supports Direct mode

Item	Procedures	MT Initiating			AP initiating		
		Reference	Status	Support	Reference	Status	Support
1	DM DUC setup radio connection	5.3.7.2	m		5.3.7.1	m	
2	DM DUC relay setup radio connection	5.3.7.3	o			n/a	
3	DM DUC release radio connection	5.3.8.2	m		5.3.8.1	m	
4	DM DUC relay release radio connection	5.3.8.3	o			n/a	
5	DM DUC modify radio connection	5.3.9.2	m		5.3.9.1	m	
6	DM DUC relay modify radio connection	5.3.9.3	o			n/a	
7	DM DUC reset radio connection	5.3.10.2	m		5.3.10.1	m	

A.6.2 RLC PDU descriptions, seen from MT

A.6.2.1 PDU descriptions for ACF support

Table A.22: Association PDUs

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RBCH_ASSOCIATION		n/a		5.1.1.1	m	
2	RLC_RBCH_ASSOCIATION_REQ	5.1.1.1	o			n/a	
3	RLC_MAC_ID_ASSIGN	5.1.1.2	m			n/a	
4	RLC_MAC_ID_ASSIGN_ACK		n/a		5.1.1.2	m	
5	RLC_MAC_ID_ASSIGN_NACK		n/a		5.1.1.2	m	
6	RLC_LINK_CAPABILITY	5.1.1.3	m			n/a	
7	RLC_LINK_CAPABILITY_ACK		n/a		5.1.1.3	m	
8	RLC_INFO	5.1.1.8	c2201			n/a	
9	RLC_INFO_ACK		n/a		5.1.1.8	c2201	

c2201: IF A.4/7 -- MT supports info transfer
THEN m -- then mandatory
ELSE n/a

Comments:

Table A.23: Security PDUs

Prerequisite: none, encryption support is mandatory

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_KEY_EXCHANGE_MT1	5.1.1.4	m			n/a	
2	RLC_KEY_EXCHANGE_MT2	5.1.1.4	m			n/a	
3	RLC_KEY_EXCHANGE_AP1		n/a		5.1.1.4	m	
4	RLC_KEY_EXCHANGE_AP2		n/a		5.1.1.4	m	
5	RLC_DM_COMMON_KEY_DISTR	5.1.1.7	c2301			n/a	
6	RLC_DM_COMMON_KEY_DISTR_ACK		n/a		5.1.1.7	c2301	
7	RLC_UNICAST_KEY_REFRESH		n/a		5.1.1.2	m	
8	RLC_UNICAST_KEY_REFRESH_ACK	5.1.1.2	m			n/a	
9	RLC_COMMON_KEY_REFRESH		n/a		5.1.2.3.3	m	
10	RLC_COMMON_KEY_REFRESH_ACK	5.1.2.3.3	m			n/a	
11	RLC_COMMON_KEY_ACTIVATE		n/a		5.1.2.3.3	m	

c2301: IF A.5/1 -- MT supports Direct mode
THEN m -- then mandatory
ELSE n/a

Comments:

Table A.24: Authentication PDUs

Prerequisite: none, authentication support is mandatory

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_AUTHENTICATION	5.1.1.5	m			n/a	
2	RLC_AUTHENTICATION_MT		n/a		5.1.1.5	m	
3	RLC_AUTHENTICATION_AP_1	5.1.1.6	m			n/a	
4	RLC_AUTHENTICATION_AP_2	5.1.1.6	c2401			n/a	
5	RLC_AUTHENTICATION_AP_3	5.1.1.6	c2402			n/a	
6	RLC_AUTHENTICATION_ACK_1		n/a		5.1.1.6	m	
7	RLC_AUTHENTICATION_ACK_2		n/a		5.1.1.6	c2401	
8	RLC_AUTHENTICATION_ACK_3		n/a		5.1.1.6	c2403	

c2401: IF A.11 /2 -- MT supports public key based authentication
THEN m -- then mandatory
ELSE n/a

c2402: IF A.12/2 OR A.12/3 -- MT supports RSA768 bit signature OR RSA1024 bit signature
THEN m -- then mandatory
ELSE n/a

c2403: IF A.12/3 -- MT supports RSA1024 bit signature
THEN m -- then mandatory
ELSE n/a

Comments:

Table A.25: Disassociation PDUs

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DISASSOCIATION	5.1.3	m		5.1.3	m	
2	RLC_DISASSOCIATION_ACK	5.1.3	m		5.1.3	m	

Comments:

Table A.26: MULTICAST PDUs

Prerequisite: A.3/5 MT supports Multicast

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_GROUP_JOIN	5.1.4	m			n/a	
2	RLC_GROUP_JOIN_ACK		n/a		5.1.4	m	
3	RLC_GROUP_JOIN_NACK		n/a		5.1.4	m	
4	RLC_GROUP_LEAVE	5.1.4	o			n/a	
5	RLC_GROUP_LEAVE_ACK		n/a		5.1.4	o	

Comments:

Table A.27: BROADCAST PDUs

Prerequisite: A.3/6 MT supports Broadcast

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_CL_BROADCAST_JOIN	5.1.5	m			n/a	
2	RLC_CL_BROADCAST_JOIN _ACK		n/a		5.1.5	m	
3	RLC_CL_BROADCAST_LEAVE	5.1.5	o			n/a	
4	RLC_CL_BROADCAST_LEAVE _ACK		n/a		5.1.5	o	

Comments:

A.6.2.2 PDU descriptions for RRC support

Table A.28: HANDOVER PDUs

Prerequisite: A.16/1 MT supports handover

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_SECTOR_HANDOVER_REQUEST	5.2.1.1	c2801			n/a	
2	RLC_SECTOR_HANDOVER_ACK		n/a		5.2.1.1	c2801	
3	RLC_HANDOVER_NOTIFY	5.2.1.2	m			n/a	
4	RLC_HANDOVER_REQUEST	5.2.1.2	m			n/a	
5	RLC_RADIO_HANDOVER_COMPLETE		n/a		5.2.1.2	c2802	
6	RLC_HANDOVER_ASSOCIATION		n/a		5.2.1.3	m	
7	RLC_HANDOVER_LINK_CAPABILITY_ACK		n/a		5.2.1.3	m	
8	RLC_NW_SIGNALLING_HANDOVER	5.2.1.3	m			n/a	
9	RLC_NW_SIGNALLING_HANDOVER_ACK		n/a		5.2.1.3	m	
10	RLC_HO_INFO_DISTRIBUTION		n/a		5.2.1.4	m	
11	RLC_HO_INFO_DISTRIBUTION_ACK	5.2.1.4	m			n/a	
12	RLC_NETWORK_HANDOVER_COMPLETE		n/a		5.2.1.4	m	
13	RLC_FORCE_HANDOVER		n/a		5.2.1.6	c2803	
14	RLC_FORCE_HANDOVER_ACK	5.2.1.6	c2803			n/a	
15	RLC_HANDOVER_REQUEST_NACK	5.2.1.5	N/a		5.2.1.5	m	

c2801: IF A.17/1 -- MT supports Sector Handover
THEN m -- then mandatory
ELSE n/a

c2802: IF A.17/2 -- MT supports Radio Handover
THEN m -- then mandatory
ELSE n/a

c2803: IF A.17/5 -- MT supports Forced Handover
THEN m -- then mandatory
ELSE n/a

Comments:

Table A.29: DFS measurement PDUs

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_AP_ABSENCE		n/a		5.2.2.4	m	
2	RLC_DFS_MEASUREMENT_SHORT_REQUEST		n/a		5.2.2.4	m	
3	RLC_DFS_MEASUREMENT_PERCENTILES_REQUEST		n/a		5.2.2.4	m	
4	RLC_DFS_MEASUREMENT_COMPLETE_REQUEST		n/a		5.2.2.4	m	
5	RLC_DFS_MT_INIT_REPORT_REQUEST	5.2.2.4	m			n/a	
6	RLC_DFS_MT_INIT_REPORT_REQUEST_ACK		n/a		5.2.2.4	m	
7	RLC_DFS_REPORT_SHORT	5.2.2.4	m			n/a	
8	RLC_DFS_REPORT_PERCENTILES	5.2.2.4	m			n/a	
9	RLC_DFS_REPORT_COMPLETE	5.2.2.4	m			n/a	

Comments:

Table A.30: Change Frequency PDUs

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_CHANGE_FREQUENCY		n/a		5.2.2.6	m	

Table A.31: Transmission Power Control PDUs

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_UPLINK_PC_CALIBRATION		n/a		5.2.3	m	
2	RLC_MT_ALIVE_REQUEST		n/a		5.2.4	m	
3	RLC_MT_ALIVE_REQUEST_ACK	5.2.4	m			n/a	
4	RLC_MT_ALIVE	5.2.4	m			n/a	
5	RLC_MT_ALIVE_ACK		n/a		5.2.4	m	

Table A.32: MT Absence PDUs

Prerequisite: A.16 /5 MT supports Absence

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_MT_ABSENCE_	5.2.5	m			n/a	
2	RLC_MT_ABSENCE_ACK		n/a		5.2.5	m	

Table A.33: Power saving / Power control PDUs

Prerequisite: A.16 /6 MT supports Power saving

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_SLEEP	5.2.6	m			n/a	
2	RLC_SLEEP_ACK		n/a		5.2.6	m	

A.6.2.3 PDU descriptions for DUC support

Table A.34: DUC setup PDUs

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_SETUP	5.3.1.2	m		5.3.1.1	m	
2	RLC_CONNECT	5.3.1.1	m		5.3.1.2	m	
3	RLC_CONNECT_ACK	5.3.1.2	m		5.3.1.1	m	

Comments:

Table A.35: DUC release PDUs

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RELEASE	5.3.2.2	m		5.3.2.1	m	
2	RLC_RELEASE_ACK	5.3.2.1	m		5.3.2.2	m	

Comments:

Table A.36: DUC modify PDUs

Prerequisite: A.20/3 MT supports Modify radio connection

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_MODIFY_REQ	5.3.3.2	m		5.3.3.1	m	
2	RLC_MODIFY	5.3.3.1	m		5.3.3.2	m	
3	RLC_MODIFY_ACK	5.3.3.2	m		5.3.3.1	m	

Comments:

Table A.37: DUC reset PDUs

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RESET	5.3.4.2	m		5.3.4.1	m	
2	RLC_RESET_ACK	5.3.4.1	m		5.3.4.2	m	

Comments:

Table A.38: Direct link DUC setup PDUs

Prerequisite: A.5/1 MT supports Direct mode

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DM_SETUP	5.3.7.2			5.3.7.1	m	
2	RLC_DM_CONNECT	5.3.7.1	m		5.3.7.2	m	
3	RLC_DM_CONNECT_ACK	5.3.7.2	m		5.3.7.1	m	
4	RLC_DM_CONNECT_COMPLETE		n/a		5.3.7.1	m	
5	RLC_DM_CONNECT_COMPLETE_ACK	5.3.7.1	m			n/a	

Comments:

Table A.39: RLC_RELAY PDUs

Prerequisite: A.5/1 MT supports Direct mode

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RELAY_SETUP	5.3.7.3	m			n/a	
2	RLC_RELAY_SETUP_ACK		n/a		5.3.7.3	m	

Comments:

Table A.40: Direct link DUC release PDUs

Prerequisite: A.5/1 MT supports Direct mode

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DM_RELEASE	5.3.8.2	m		5.3.8.1	m	
2	RLC_DM_RELEASE_ACK	5.3.8.1	m		5.3.8.2	m	

Comments:

Table A.41: Direct link DUC relay release PDUs

Prerequisite: A.5/1 MT supports Direct mode

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RELAY_RELEASE	5.3.8.3	m		5.3.8.3	m	
2	RLC_ RELAY _RELEASE_ACK	5.3.8.3	m		5.3.8.3	m	

Comments:

Table A.42: Direct link DUC modify PDUs

Prerequisite: A.5/1 MT supports Direct mode

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DM_MODIFY_REQ	5.3.9.2	m		5.3.9.1	m	
2	RLC_DM_MODIFY	5.3.9.1	m		5.3.9.2	m	
3	RLC_DM_MODIFY_ACK	5.3.9.2	m		5.3.9.1	m	
4	RLC_DM_MODIFY_COMPLETE		n/a		5.3.9.1	m	
5	RLC_DM_MODIFY_COMPLETE_ACK	5.3.9.1	m		6.3.7.1	m	

Comments:

Table A.43: Direct link DUC relay modify PDUs

Prerequisite: A.5/1 MT supports Direct mode

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RELAY_MODIFY	5.3.9.3	m			n/a	
2	RLC_RELAY_MODIFY_ACK		n/a		5.3.9.3	m	

Comments:

Table A.44: Direct link DUC reset PDUs

Prerequisite: A.5/1 MT supports Direct mode

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DM_RESET	5.3.10.2	m		5.3.10.1	m	
2	RLC_DM_RESET_ACK	5.3.10.1	m		5.3.10.2	m	

Comments:

A.6.2.4 PDU descriptions for unsupported messages

Table A.44A

Item	PDU	MT sending			MT receiving		
		Reference	Status	Support	Reference	Status	Support
1	RLC_NO_SUPPORT	7	m		7	m	

A.6.3 PDU parameters

See clause A.8, common to MT and AP.

A.7 Access Point AP

This subclause contains the PICS proforma tables related to the Access Point AP. They need to be completed only to describe AP implementations:

Prerequisite: A.1/2 Access Point AP

A.7.1 Major AP capabilities and functionalities of RLC

Table A.45: Major AP functionalities

Item	Services supporting:	Reference	Status	Support
1	Association Control Function ACF	5.1	m	
2	Radio Resource Control RRC	5.2	m	
3	DLC User Connection Control DUC	5.3	m	

A.7.1.1 Services supporting ACF: Association Control Function

The supplier of the implementation shall state the support of the implementation for the services required by each of the following ACF procedures and associated capabilities.

Table A.46: AP ACF procedures

Item	Services supporting:	Reference	Status	Support
1	Association functions	5.1.1	m	
2	Encryption	5.1.2	m	
3	Authentication	5.1.2	m	
4	Disassociation	5.1.3	m	
5	Multicast	5.1.4	o	
6	CL Broadcast	5.1.5	o	
7	Association Rejection	5.1.6	m	

Comments:

A.7.1.1.1 Association functions

Table A.47: AP Association functions

Item	Capabilities	Reference	Status	Support
1	AP sends Association message	5.1.1.1	m	
2	AP receives Association request message	5.1.1.1	m	
3	AP assigns Mac ID	5.1.1.2	m	
4	AP defines link capabilities	5.1.1.3	m	
5	AP supports info transfer procedure	5.1.1.8	o	

Table A.48: Link capabilities

Item	Capabilities	Reference	Status	Support
1	Direct mode	5.1.1.3	o	

A.7.1.1.2 Security functions

Table A.49: AP Security functions

Item	Capabilities	Reference	Status	Support
1	AP supports user data encryption and initiates encryption start-up	5.1.1.4	m	
2	AP supports authentication	5.1.1.5, 5.1.1.6	m	
3	AP supports Direct Mode common key distribution	5.1.1.7	c4901	

c4901: IF A.48/1 -- If AP supports Direct mode
THEN m -- then mandatory
ELSE n/a

Table A.50: AP Encryption algorithm

Item	Capabilities	Reference	Status	Support
1	DES encryption	5.1.2.5	m	
2	Triple DES encryption	5.1.2.5	o	

Table A.51: AP Encryption keys

Item	Capabilities	Reference	Status	Support
1	DES encryption for unicast	5.1.2.5	m	
2	DES encryption for multicast	5.1.2.5	c5101	
3	DES encryption for broadcast	5.1.2.5	c5102	
4	Triple DES encryption for unicast	5.1.2.5	c5103	
5	Triple DES encryption for multicast	5.1.2.5	c5104	
6	Triple DES encryption for broadcast	5.1.2.5	c5105	

c5101: IF A.46/5 -- If AP supports multicast
THEN m -- then mandatory
ELSE n/a

c5102: IF A.46/6 -- If AP supports broadcast
THEN m -- then mandatory
ELSE n/a

c5103: IF A.50/2 -- If AP supports Triple DES
THEN m -- then mandatory
ELSE n/a

c5104: IF A.46/5 AND A.50/2 -- If AP supports multicast AND Triple DES
THEN m -- then mandatory
ELSE n/a

c5105: IF A.46/6 AND A.50/2 -- If AP supports broadcast AND Triple DES
THEN m -- then mandatory
ELSE n/a

Table A.52: AP Key management

Item	Capabilities	Reference	Status	Support
1	AP refreshes unicast encryption key	5.1.2.2	m	
2	AP refreshes common encryption keys for multicast	5.1.2.3	c5201	
3	AP refreshes common encryption keys for broadcast	5.1.2.3	c5202	

c5201: IF A.46/5 -- If AP supports multicast
THEN m -- then mandatory
ELSE n/a

c5202: IF A.46/6 -- If AP supports Broadcast
THEN m -- then mandatory
ELSE n/a

Table A.53: Authentication key identifiers assigned in AP

Item	Capabilities	Reference	Status	Support
1	IEEE address	5.1.1.5.3	o.4	
2	Extended IEEE address	5.1.1.5.3	o.4	
3	Network access identifier	5.1.1.5.3	o.4	
4	Distinguished name X509	5.1.1.5.3	o.4	
5	Compressed type	5.1.1.5.3	o.4	
6	Generic type	5.1.1.5.3	o.4	

o.4 support of one of these items mandatory, others are optional

Table A.54: AP Authentication algorithms

Item	Capabilities	Reference	Status	Support
1	MD5 HMAC algorithm	5.1.2.6.1	m	
2	Public key based algorithm (RSA)	5.1.2.6.1	o	

Table A.55: RSA Authentication protocols in AP

Prerequisite: A.54/2 AP supports public key based authentication

Item	Capabilities	Reference	Status	Support
1	RSA512 bit signature	5.1.1.6.2	o.5	
2	RSA768 bit signature	5.1.1.6.3	o.5	
3	RSA1024 bit signature	5.1.1.6.4	o.5	

o.5: support at least one of these items

A.7.1.1.3 Disassociation functions

Table A.56: AP Disassociation

Item	Procedures	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	Explicit disassociation	5.1.3	m		5.1.3	m	
2	Implicit disassociation initiated by MT	5.1.3	m			n/a	

A.7.1.1.4 Multicast functions

Table A.57: AP Multicast

Prerequisite: A.46/5 AP supports multicast

Item	Capabilities	Reference	Status	Support
1	MT initiates multicast (group join)	5.1.4	m	
2	MT leaves multicast group (group - leave)	5.1.4	o	

A.7.1.1.5 CL Broadcast functions

Table A.58: AP CL broadcast

Prerequisite: A.46/6 AP supports CL Broadcast

Item	Capabilities	Reference	Status	Support
1	MT initiates Broadcast (broadcast join)	5.1.5	m	
2	MT leaves Broadcast (broadcast - leave)	5.1.5	o	

A.7.1.2 Services supporting RRC: Radio Resource Control

The supplier of the implementation shall state the support of the implementation for the services required by each of the following RRC procedures and associated capabilities.

Table A.59: AP RRC procedures

Item	Capabilities	Reference	Status	Support
1	Handover	5.2.1	o	
2	DFS Dynamic Frequency Selection	5.2.2	m	
3	Transmission Power Control	5.2.3	m	
4	MT alive	5.2.4	m	
5	MT absence	5.2.5	o	
6	MT sleep / power saving	5.2.6	m	

Comments:

Table A.60: AP Handover capabilities

Prerequisite: A.59/1 AP supports handover

Item	Capabilities	Reference	Status	Support
1	AP supports Sector handover	5.2.1.1	o	
2	AP supports Radio handover	5.2.1.2	o	
3	AP supports Network handover	5.2.1.3	m	
4	Token distribution for Network handover	5.2.1.4	m	
6	Handover Rejection	5.2.1.5	m	
5	Handover is forced by AP	5.2.1.6	o	

Table A.61: AP DFS Dynamic Frequency Selection measurements

Item	Capabilities	Reference	Status	Support
1	MT performs and reports measurements requested by AP	5.2.2.3	m	
2	MT performs and reports self initiated measurements	5.2.2.3	o	
3	AP requests change of operating frequency	5.2.2.6	m	

A.7.1.3 Services supporting DUC: DLC User Connection Control

The supplier of the implementation shall state the support of the implementation for the services required by each of the following DUC procedures and associated capabilities.

Table A.62: AP DUC procedures

Item	Procedures	Reference	Status	Support
1	AP supports Centralized mode: Unicast radio connection	5.3.1	m	
2	AP supports Centralized mode: Multicast radio connection	5.3.5	c6201	
3	AP supports Centralized mode: Broadcast radio connection	5.3.6	c6202	
4	AP supports Direct Link: Unicast radio connection	5.3.7	c6203	
5	AP supports Direct Link: Multicast radio connection	5.3.11	c6204	
6	AP supports Direct Link: Broadcast radio connection	5.3.12	c6205	

c6201: IF A.46/5 -- If AP supports multicast
THEN m -- then mandatory
ELSE n/a

c6202: IF A.46/6 -- If AP supports broadcast
THEN m -- then mandatory
ELSE n/a

c6203: IF A.48/1 -- If AP supports Direct mode
THEN m -- then mandatory
ELSE n/a

c6204: IF A.46/5 AND A.48/1 -- If AP supports multicast AND Direct mode
THEN m -- then mandatory
ELSE n/a

c6205: IF A.46/6 AND A.48/1 -- If AP supports broadcast AND Direct mode
THEN m -- then mandatory
ELSE n/a

Table A.63: One or more Unicast radio connection

Item	Procedures	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	DUC setup radio connection	5.3.1.2	m		5.3.1.1	m	
2	DUC release radio connection	5.3.2.2	m		5.3.2.1	m	
3	DUC modify radio connection	5.3.3.2	o		5.3.3.1	o	
4	DUC reset radio connection	5.3.4.2	m		5.3.4.1	m	

Table A.64: AP Direct Link radio connection

Prerequisite: A.48/1 AP supports Direct mode

Item	Procedures	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	DM DUC setup radio connection	5.3.7.2	m		5.3.7.1	m	
2	DM DUC relay setup radio connection	5.3.7.3	o			n/a	
3	DM DUC release radio connection	5.3.8.2	m		5.3.8.1	m	
4	DM DUC relay release radio connection	5.3.8.3	o			n/a	
5	DM DUC modify radio connection	5.3.9.2	m		5.3.9.1	m	
6	DM DUC relay modify radio connection	5.3.9.3	o			n/a	
7	DM DUC reset radio connection	5.3.10.2	m		5.3.10.1	m	

Comments:

A.7.2 RLC PDU descriptions, seen from AP

A.7.2.1 PDU descriptions for ACF support

Table A.65: Association PDUs

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RBCH_ASSOCIATION		n/a		5.1.1.1	m	
2	RLC_RBCH_ASSOCIATION_REQ	5.1.1.1	o			n/a	
3	RLC_MAC_ID_ASSIGN	5.1.1.2	m			n/a	
4	RLC_MAC_ID_ASSIGN_ACK		n/a		5.1.1.2	m	
5	RLC_MAC_ID_ASSIGN_NACK		n/a		5.1.1.2	m	
6	RLC_LINK_CAPABILITY	5.1.1.3	m			n/a	
7	RLC_LINK_CAPABILITY_ACK		n/a		5.1.1.3	m	
8	RLC_INFO	5.1.1.8	c6501			n/a	
9	RLC_INFO_ACK		n/a		5.1.1.8	c6501	

c6501: IF A.47/7 -- AP supports info transfer
THEN m -- then mandatory
ELSE n/a

Comments:

Table A.66: Security PDUs

Prerequisite: none, encryption support is mandatory

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_KEY_EXCHANGE_MT1	5.1.1.4	m			n/a	
2	RLC_KEY_EXCHANGE_MT2	5.1.1.4	m			n/a	
3	RLC_KEY_EXCHANGE_AP1		n/a		5.1.1.4	m	
4	RLC_KEY_EXCHANGE_AP2		n/a		5.1.1.4	m	
5	RLC_DM_COMMON_KEY_DISTR	5.1.1.7	c6601			n/a	
6	RLC_DM_COMMON_KEY_DISTR_ACK		n/a		5.1.1.7	c6601	
7	RLC_UNICAST_KEY_REFRESH		n/a		5.1.1.2	m	
8	RLC_UNICAST_KEY_REFRESH_ACK	5.1.1.2	m			n/a	
9	RLC_COMMON_KEY_REFRESH		n/a		5.1.2.3.3	m	
10	RLC_COMMON_KEY_REFRESH_ACK	5.1.2.3.3	m			n/a	
11	RLC_COMMON_KEY_ACTIVATE		n/a		5.1.2.3.3	m	

c6601: A.48/1 -- AP supports Direct mode
THEN m -- then mandatory
ELSE n/a

Comments:

Table A.67: Authentication PDUs

Prerequisite: none, authentication support is mandatory

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_AUTHENTICATION	5.1.1.5	m			n/a	
2	RLC_AUTHENTICATION_MT		n/a		5.1.1.5	m	
3	RLC_AUTHENTICATION_AP_1	5.1.1.6	m			n/a	
4	RLC_AUTHENTICATION_AP_2	5.1.1.6	c6701			n/a	
5	RLC_AUTHENTICATION_AP_3	5.1.1.6	c6702			n/a	
6	RLC_AUTHENTICATION_ACK_1		n/a		5.1.1.6	m	
7	RLC_AUTHENTICATION_ACK_2		n/a		5.1.1.6	c6701	
8	RLC_AUTHENTICATION_ACK_3		n/a		5.1.1.6	c6703	

Comments:

c6701: IF A.54/2 -- AP supports public key based authentication
THEN m -- then mandatory
ELSE n/a

c6702: IF A.55/2 OR A.55/3 -- AP supports RSA768 bit signature OR RSA1024 bit signature
THEN m -- then mandatory
ELSE n/a

c6703: IF A.55/3 -- AP supports RSA1024 bit signature
THEN m -- then mandatory
ELSE n/a

Table A.68: Disassociation PDUs

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DISASSOCIATION	5.1.3	m		5.1.3	m	
2	RLC_DISASSOCIATION_ACK	5.1.3	m		5.1.3	m	

Comments:

Table A.69: MULTICAST PDUs

Prerequisite: A.46/5 AP supports Multicast

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_GROUP_JOIN	5.1.4	m			n/a	
2	RLC_GROUP_JOIN_ACK		n/a		5.1.4	m	
3	RLC_GROUP_JOIN_NACK		n/a		5.1.4	m	
4	RLC_GROUP_LEAVE	5.1.4	m			n/a	
5	RLC_GROUP_LEAVE_ACK		n/a		5.1.4	m	

Comments:

Table A.70: BROADCAST PDUs

Prerequisite: A.46/6 AP supports Broadcast

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_CL_BROADCAST_JOIN	5.1.5	m			n/a	
2	RLC_CL_BROADCAST_JOIN _ACK		n/a		5.1.5	m	
3	RLC_CL_BROADCAST_LEAVE	5.1.5	m			n/a	
4	RLC_CL_BROADCAST_LEAVE _ACK		n/a		5.1.5	m	

Comments:

A.7.2.2 PDU descriptions for RRC support

Table A.71: HANDOVER PDUs

Prerequisite: A.59/1 AP supports handover

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_SECTOR_HANDOVER_REQUEST	5.2.1.1	c7101			n/a	
2	RLC_SECTOR_HANDOVER_ACK		n/a		5.2.1.1	c7101	
3	RLC_HANDOVER_NOTIFY	5.2.1.2	m			n/a	
4	RLC_HANDOVER_REQUEST	5.2.1.2	m			n/a	
5	RLC_RADIO_HANDOVER_COMPLETE		n/a		5.2.1.2	c7102	
6	RLC_HANDOVER_ASSOCIATION		n/a		5.2.1.3	m	
7	RLC_HANDOVER_LINK_CAPABILITY_ACK		n/a		5.2.1.3	m	
8	RLC_NW_SIGNALLING_HANDOVER	5.2.1.3	m			n/a	
9	RLC_NW_SIGNALLING_HANDOVER_ACK		n/a		5.2.1.3	m	
10	RLC_HO_INFO_DISTRIBUTION		n/a		5.2.1.4	m	
11	RLC_HO_INFO_DISTRIBUTION_ACK	5.2.1.4	m			n/a	
12	RLC_NETWORK_HANDOVER_COMPLETE		n/a		5.2.1.4	m	
13	RLC_FORCE_HANDOVER		n/a		5.2.1.6	c7103	
14	RLC_FORCE_HANDOVER_ACK	5.2.1.6	c7103			n/a	
15	RLC_HANDOVER_REQUEST_NACK	5.2.1.5	N/a		5.2.1.5	m	

c7101: IF A.60/1 -- AP supports Sector Handover
THEN m -- then mandatory
ELSE n/a

c7102: IF A.60/2 -- AP supports Radio Handover
THEN m -- then mandatory
ELSE n/a

c7103: IF A.60/5 -- AP supports Forced Handover
THEN m -- then mandatory
ELSE n/a

Comments:

Table A.72: DFS measurement PDUs

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_AP_ABSENCE		n/a		5.2.2.4	m	
2	RLC_DFS_MEASUREMENT_SHORT_REQUEST		n/a		5.2.2.4	m	
3	RLC_DFS_MEASUREMENT_PERCENTILES_REQUEST		n/a		5.2.2.4	m	
4	RLC_DFS_MEASUREMENT_COMPLETE_REQUEST		n/a		5.2.2.4	m	
5	RLC_DFS_MT_INIT_REPORT_REQUEST	5.2.2.4	o			n/a	
6	RLC_DFS_MT_INIT_REPORT_REQUEST_ACK		n/a		5.2.2.4	o	
7	RLC_DFS_REPORT_SHORT	5.2.2.4	m			n/a	
8	RLC_DFS_REPORT_PERCENTILES	5.2.2.4	m			n/a	
9	RLC_DFS_REPORT_COMPLETE	5.2.2.4	m			n/a	

Comments:

Table A.73: Change Frequency PDUs

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_CHANGE_FREQUENCY		n/a		5.2.2.6	m	

Table A.74: Transmission Power Control PDUs

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_UPLINK_PC_CALIBRATION		n/a		5.2.3	m	
2	RLC_MT_ALIVE_REQUEST		n/a		5.2.4	m	
3	RLC_MT_ALIVE_REQUEST_ACK	5.2.4	m			n/a	
4	RLC_MT_ALIVE	5.2.4	m			n/a	
5	RLC_MT_ALIVE_ACK		n/a		5.2.4	m	

Table A.75: AP Absence PDUs

Prerequisite: A.59/5 AP supports Absence

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_MT_ABSENCE_	5.2.5	m			n/a	
2	RLC_MT_ABSENCE_ACK		n/a		5.2.5	m	

Table A.76: Power saving / Power control PDUs

Prerequisite: none - mandatory for AP to support Power saving

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_SLEEP	5.2.6	m			n/a	
2	RLC_SLEEP_ACK		n/a		5.2.6	m	

A.7.2.3 PDU descriptions for DUC support

Table A.77: DUC setup PDUs

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_SETUP	5.3.1.2	m		5.3.1.1	m	
2	RLC_CONNECT	5.3.1.1	m		5.3.1.2	m	
3	RLC_CONNECT_ACK	5.3.1.2	m		5.3.1.1	m	

Comments:

Table A.78: DUC release PDUs

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RELEASE	5.3.2.2	m		5.3.2.1	m	
2	RLC_RELEASE_ACK	5.3.2.1	m		5.3.2.2	m	

Comments:

Table A.79: DUC modify PDUs

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_MODIFY_REQ	5.3.3.2	m		5.3.3.1	m	
2	RLC_MODIFY	5.3.3.1	m		5.3.3.2	m	
3	RLC_MODIFY_ACK	5.3.3.2	m		5.3.3.1	m	

Comments:

Table A.80: DUC reset PDUs

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RESET	5.3.4.2	m		5.3.4.1	m	
2	RLC_RESET_ACK	5.3.4.1	m		5.3.4.2	m	

Comments:

Table A.81: Direct link DUC setup PDUs

Prerequisite: A.48/1 AP supports Direct mode

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DM_SETUP	5.3.7.2			5.3.7.1	m	
2	RLC_DM_CONNECT	5.3.7.1	m		5.3.7.2	m	
3	RLC_DM_CONNECT_ACK	5.3.7.2	m		5.3.7.1	m	
4	RLC_DM_CONNECT_COMPLETE		n/a		5.3.7.1	m	
5	RLC_DM_CONNECT_COMPLETE_ACK	5.3.7.1	m			n/a	

Comments:

Table A.82: RLC_RELAY PDUs

Prerequisite: A.48/1 AP supports Direct mode

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RELAY_SETUP	5.3.7.3	m			n/a	
2	RLC_RELAY_SETUP_ACK		n/a		5.3.7.3	m	

Comments:

Table A.83: Direct link DUC release PDUs

Prerequisite: A.48/1 AP supports Direct mode

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DM_RELEASE	5.3.8.2	m		5.3.8.1	m	
2	RLC_DM_RELEASE_ACK	5.3.8.1	m		5.3.8.2	m	

Comments:

Table A.84: Direct link DUC relay release PDUs

Prerequisite: A.48/1 AP supports Direct mode

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RELAY_RELEASE	5.3.8.3	m		5.3.8.3	m	
2	RLC_ RELAY _RELEASE_ACK	5.3.8.3	m		5.3.8.3	m	

Comments:

Table A.85: Direct link DUC modify PDUs

Prerequisite: A.48/1 AP supports Direct mode

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DM_MODIFY_REQ	5.3.9.2	m		5.3.9.1	m	
2	RLC_DM_MODIFY	5.3.9.1	m		5.3.9.2	m	
3	RLC_DM_MODIFY_ACK	5.3.9.2	m		5.3.9.1	m	
4	RLC_DM_MODIFY_COMPLETE		n/a		5.3.9.1	m	
5	RLC_DM_MODIFY_COMPLETE_ACK	5.3.9.1	m		6.3.7.1	m	

Comments:

Table A.86: Direct link DUC relay modify PDUs

Prerequisite: A.48/1 AP supports Direct mode

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_RELAY_MODIFY	5.3.9.3	m			n/a	
2	RLC_RELAY_MODIFY_ACK		n/a		5.3.9.3	m	

Comments:

Table A.87: Direct link DUC reset PDUs

Prerequisite: A.48/1 AP supports Direct mode

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_DM_RESET	5.3.10.2	m		5.3.10.1	m	
2	RLC_DM_RESET_ACK	5.3.10.1	m		5.3.10.2	m	

Comments:

A.7.2.4 PDU descriptions for unsupported messages

Table A.87A

Item	PDU	AP receiving			AP sending		
		Reference	Status	Support	Reference	Status	Support
1	RLC_NO_SUPPORT	7	m		7	m	

A.7.3 PDU parameters

See clause A.8, common to MT and AP.

A.8 PDU parameters

A.8.1 Parameters of PDUs for ACF support

A.8.1.1 Association

Table A.88: RLC_RBCH_ASSOCIATION parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.1, Annex B	m	
2	network-operator-id	5.1.1.1, Annex B	m	
3	cl-vid-list	5.1.1.1, Annex B	m	

Comments:

Table A.89: RLC_RBCH_ASSOCIATION_REQ parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.1, Annex B	m	
2	ap-id	5.1.1.1, Annex B	m	
3	net-id	5.1.1.1, Annex B	m	
4	mac-id	5.1.1.1, Annex B	m	

Comments:

Table A.90: RLC_MAC_ID_ASSIGN parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.2, Annex B	m	
2	magic	5.1.1.2, Annex B	m	
3	rlc-version	5.1.1.2, Annex B	m	
4	mac-id	5.1.1.2, Annex B	m	

Comments:

Table A.91: RLC_MAC_ID_ASSIGN_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.2, Annex B	m	
2	magic	5.1.1.2, Annex B	m	
3	mac-id	5.1.1.2, Annex B	m	
4	mac-id1	5.1.1.2, Annex B	m	

Comments:

Table A.92: RLC_MAC_ID_ASSIGN_NACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.2, Annex B	m	
2	magic	5.1.1.2, Annex B	m	

Comments:

Table A.93: RLC_LINK_CAPABILITY parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.3, Annex B	m	
2	dlc-version	5.1.1.3, Annex B	m	
3	rlc-version	5.1.1.3, Annex B	m	
4	cl-vid-list	5.1.1.3, Annex B	m	
5	rss-value	5.1.1.3, Annex B	m	
6	support64QAM	5.1.1.3, Annex B	m	
7	freq-band	5.1.1.3, Annex B	m	
8	direct-mode-cap	5.1.1.3, Annex B	c	
9	cyclic-prefix	5.1.1.3, Annex B	m	
10	support-fca	5.1.1.3, Annex B	m	
11	support-fsa	5.1.1.3, Annex B	m	
12	time-gap-ach-uplink	5.1.1.3, Annex B	m	
13	duty-cycle	5.1.1.3, Annex B	m	
14	arq-delay-rx	5.1.1.3, Annex B	m	
15	arq-delay-tx	5.1.1.3, Annex B	m	
16	authentication-encryption-list	5.1.1.3, Annex B	c	
17	dm-attributes	5.1.1.3, Annex B	c	

Comments:

Table A.94: RLC_LINK_CAPABILITY_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.3, Annex B	m	
2	dlc-version-selected	5.1.1.3, Annex B	m	
3	rlc-version-selected	5.1.1.3, Annex B	m	
4	rss-value	5.1.1.3, Annex B	m	
5	apt-address-length	5.1.1.3, Annex B	m	
6	support64QAM	5.1.1.3, Annex B	m	
7	freq-band	5.1.1.3, Annex B	m	
8	send-mt-id	5.1.1.3, Annex B	m	
9	direct-mode-cap	5.1.1.3, Annex B	c	
10	direct-mode-use-common-key	5.1.1.3, Annex B	c	
11	cyclic-prefix	5.1.1.3, Annex B	m	
12	support-fca	5.1.1.3, Annex B	m	
13	support-fsa	5.1.1.3, Annex B	m	
14	arq-delay-rx	5.1.1.3, Annex B	m	
15	arq-delay-tx	5.1.1.3, Annex B	m	
16	auth-encr-selected	5.1.1.3, Annex B	c	
17	dm-attributes	5.1.1.3, Annex B	c	

Comments:

Table A.95: RLC_INFO parameters

Prerequisite: A.4/7 MT supports info transfer or A.47/7 AP supports info transfer

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.8, Annex B	m	
2	info-count	5.1.1.8, Annex B	m	
3	cl-data	5.1.1.8, Annex B	m	
4	dlc-attributes	5.1.1.8, Annex B	m	

Comments:

Table A.96: RLC_INFO_ACK parameters

Prerequisite: A.4/7 MT supports info transfer or A.47/7 AP supports info transfer

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.8, Annex B	m	
2	cl-data	5.1.1.8, Annex B	m	
3	dlc-attributes	5.1.1.8, Annex B	m	

Comments:

A.8.1.2 Security

Table A.97: RLC_KEY_EXCHANGE_MT_1 parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.4, Annex B	m	
2	mt-dh-public-value-1	5.1.1.4, Annex B	m	

Comments:

Table A.98: RLC_KEY_EXCHANGE_MT_2 parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.4, Annex B	m	
2	mt-dh-public-value-2	5.1.1.4, Annex B	m	

Comments:

Table A.99: RLC_KEY_EXCHANGE_AP_1 parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.4, Annex B	m	
2	ap-dh-public-value-1	5.1.1.4, Annex B	m	

Comments:

Table A.100: RLC_KEY_EXCHANGE_AP_2 parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.4, Annex B	m	
2	ap-dh-public-value-2	5.1.1.4, Annex B	m	

Comments:

Table A.101: RLC_DM_COMMON_KEY_DISTR parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.7, Annex B	m	
2	dm-encr-alg	5.1.1.7, Annex B	m	
3	key-id	5.1.1.7, Annex B	m	
4	common-key	5.1.1.7, Annex B	m	

Comments:

Table A.102: RLC_DM_COMMON_KEY_DISTR_ACK parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.7, Annex B	m	
2	dm-encr-alg	5.1.1.7, Annex B	m	
3	md5-on-key	5.1.1.7, Annex B	m	

Comments:

Table A.103: RLC_UNICAST_KEY_REFRESH parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.2.2, Annex B	m	
2	nonce	5.1.2.2, Annex B	m	

Comments:

Table A.104: RLC_UNICAST_KEY_REFRESH_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.2.2, Annex B	m	
2	md5-on-nonce	5.1.2.2, Annex B	m	

Comments:

Table A.105: RLC_COMMON_KEY_REFRESH parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.2.3.3, Annex B	m	
2	encr-info	5.1.2.3.3, Annex B	m	
3	key-id	5.1.2.3.3, Annex B	m	
4	common-key	5.1.2.3.3, Annex B	m	

Comments:

Table A.106: RLC_COMMON_KEY_REFRESH_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.2.3.3, Annex B	m	
2	encr-info	5.1.2.3.3, Annex B	m	
3	md5-on-key	5.1.2.3.3, Annex B	m	

Comments:

Table A.107: RLC_COMMON_KEY_ACTIVATE parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.2.3.3, Annex B	m	
2	key-id	5.1.2.3.3, Annex B	m	

Comments:

A.8.1.3 Authentication

Table A.108: RLC_AUTHENTICATION parameters

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.5, Annex B	m	
2	more	5.1.1.5, Annex B	m	
3	mt-auth-id-type	5.1.1.5, Annex B	m	
4	mt-auth-id-content	5.1.1.5, Annex B	m	

Comments:

Table A.109: RLC_AUTHENTICATION_MT parameters

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.5, Annex B	m	
2	challenge-to-mt	5.1.1.5, Annex B	m	

Comments:

Table A.110: RLC_AUTHENTICATION_AP_1 parameters

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.6, Annex B	m	
2	challenge-to-ap	5.1.1.6, Annex B	m	
3	mt-response-1	5.1.1.6, Annex B	m	

Comments:

Table A.111: RLC_AUTHENTICATION_AP_2 parameters

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.6, Annex B	m	
2	mt-response-2	5.1.1.6, Annex B	m	

Comments:

Table A.112: RLC_AUTHENTICATION_AP_3 parameters

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.6, Annex B	m	
2	mt-response-2	5.1.1.6, Annex B	m	

Comments:

Table A.113: RLC_AUTHENTICATION_ACK-1 parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.6, Annex B	m	
2	ap-response-2	5.1.1.6, Annex B	m	

Comments:

Table A.114: RLC_AUTHENTICATION_ACK-2 parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.6, Annex B	m	
2	ap-response-2	5.1.1.6, Annex B	m	

Comments:

Table A.115: RLC_AUTHENTICATION_ACK-3 parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.1.6, Annex B	m	
2	ap-response-2	5.1.1.6, Annex B	m	

Comments:

A.8.1.4 Disassociation

Table A.116: RLC_DISASSOCIATION parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.3, Annex B	m	
2	disassociation-cause	5.1.3, Annex B	m	
3	mac-id	5.1.3, Annex B	m	

Comments:

Table A.117: RLC_DISASSOCIATION_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.3, Annex B	m	
2	mac-id	5.1.3, Annex B	m	

Comments:

A.8.1.5 Multicast

Table A.118: RLC_GROUP_JOIN parameters

Prerequisite: A.3/5 MT supports Multicast or A.46/5 AP supports Multicast

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.4, Annex B	m	
2	cl-data	5.1.4, Annex B	m	
3	encryption-algorithm-proposal	5.1.4, Annex B	m	

Comments:

Table A.119: RLC_GROUP_JOIN_ACK parameters

Prerequisite: A.3/5 MT supports Multicast or A.46/5 AP supports Multicast

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.4, Annex B	m	
2	more-joins	5.1.4, Annex B	m	
3	mac-id-and-cl-data-list	5.1.4, Annex B	m	
4	encryption-algorithm-selected	5.1.4, Annex B	m	
5	key-id	5.1.4, Annex B	m	
6	common-key	5.1.4, Annex B	m	

Comments:

Table A.120: RLC_GROUP_JOIN_NACK parameters

Prerequisite: A.3/5 MT supports Multicast or A.46/5 AP supports Multicast

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.4, Annex B	m	
2	more-joins	5.1.4, Annex B	m	
3	mac-id-and-cl-data-list	5.1.4, Annex B	m	

Comments:

Table A.121: RLC_GROUP_LEAVE parameters

Prerequisite: A.3/5 MT supports Multicast or A.46/5 AP supports Multicast

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.4, Annex B	m	
2	cl-data	5.1.4, Annex B	m	

Comments:

Table A.122: RLC_GROUP_LEAVE_ACK parameters

Prerequisite: A.3/5 MT supports Multicast or A.46/5 AP supports Multicast

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.4, Annex B	m	
2	cl-data	5.1.4, Annex B	m	

Comments:

A.8.1.6 Broadcast

Table A.123: RLC_CL_BROADCAST_JOIN parameters

Prerequisite: A.3/6 MT supports Broadcast or A.46/6 AP supports Broadcast

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.5, Annex B	m	
2	cl-data	5.1.5, Annex B	m	
3	encryption-algorithm-proposal	5.1.5, Annex B	m	

Comments:

Table A.124: RLC_CL_BROADCAST_JOIN_ACK parameters

Prerequisite: A.3/6 MT supports Broadcast or A.46/6 AP supports Broadcast

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.5, Annex B	m	
2	more-joins	5.1.5, Annex B	m	
3	window-size	5.1.5, Annex B	m	
4	mac-id-and-cl-data-list	5.1.5, Annex B	m	
5	encryption-algorithm-selected	5.1.5, Annex B	m	
6	key-id	5.1.5, Annex B	m	
7	common-key	5.1.5, Annex B	m	
8	error-corr-mode	5.1.5, Annex B	m	

Comments:

Table A.125: RLC_CL_BROADCAST_LEAVE parameters

Prerequisite: A.3/6 MT supports Broadcast or A.46/6 AP supports Broadcast

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.5, Annex B	m	
2	cl-data	5.1.5, Annex B	m	

Comments:

Table A.126: RLC_CL_BROADCAST_LEAVE_ACK parameters

Prerequisite: A.3/6 MT supports Broadcast or A.46/6 AP supports Broadcast

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.1.5, Annex B	m	
2	cl-data	5.1.5, Annex B	m	

Comments:

A.8.2 Parameters of PDUs for RRC support

A.8.2.1 Handover

Table A.127: RLC_SECTOR_HANDOVER_REQUEST parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.1, Annex B	m	
2	sector-id-new	5.2.1.1, Annex B	m	
3	mac-id	5.2.1.1, Annex B	m	

Comments:

Table A.128: RLC_SECTOR_HANDOVER_ACK parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.1, Annex B	m	

Comments:

Table A.129: RLC_HANDOVER_NOTIFY parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.2, Annex B	m	
2	handover-cause	5.2.1.2, Annex B	m	
3	mac-id	5.2.1.2, Annex B	m	
4	ap-id	5.2.1.2, Annex B	m	
5	net-id	5.2.1.2, Annex B	m	

Comments:

Table A.130: RLC_HANDOVER_REQUEST parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.2, Annex B	m	
2	mac-Id-old	5.2.1.2, Annex B	m	
3	ap-Id-old	5.2.1.2, Annex B	m	
4	net-Id-old	5.2.1.2, Annex B	m	
5	duc-established	5.2.1.2, Annex B	m	

Comments:

Table A.131: RLC_RADIO_HANDOVER_COMPLETE parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.2, Annex B	m	
2	mac-id-old	5.2.1.2, Annex B	m	
3	ap-id-old	5.2.1.2, Annex B	m	
4	net-id-old	5.2.1.2, Annex B	m	
5	mac-id-new	5.2.1.2, Annex B	m	
6	cl-id	5.2.1.2, Annex B	m	
7	duc-ext-ind	5.2.1.2, Annex B	m	
8	cl-conn-attr-length	5.2.1.2, Annex B	m	
9	duc-descr-list	5.2.1.2, Annex B	m	

Comments:

Table A.132: RLC_HANDOVER_ASSOCIATION parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.3, Annex B	m	
2	mac-id-old	5.2.1.3, Annex B	m	
3	ap-id-old	5.2.1.3, Annex B	m	
4	net-id-old	5.2.1.3, Annex B	m	
5	mac-id-new	5.2.1.3, Annex B	m	

Comments:

Table A.133: RLC_HANDOVER_LINK_CAPABILITY_ACK parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.3, Annex B	m	
2	dlc-version-selected	5.2.1.3, Annex B	m	
3	rlc-version-selected	5.2.1.3, Annex B	m	
4	rss-value	5.2.1.3, Annex B	m	
5	apt-address-length	5.2.1.3, Annex B	m	
6	support64QAM	5.2.1.3, Annex B	m	
7	freq-band	5.2.1.3, Annex B	m	
8	direct-mode-cap	5.2.1.3, Annex B	m	
9	dm-use-common-key	5.2.1.3, Annex B	m	
10	cyclic-prefix	5.2.1.3, Annex B	m	
11	support-fca	5.2.1.3, Annex B	m	
12	support-fsa	5.2.1.3, Annex B	m	
13	sector-ho-cap	5.2.1.3, Annex B	c	
14	network-ho-cap	5.2.1.3, Annex B	c	
15	radio-ho-cap	5.2.1.3, Annex B	c	
16	arq-delay-rx	5.2.1.3, Annex B	m	
17	arq-delay-tx	5.2.1.3, Annex B	m	
18	auth-encr-selected	5.2.1.3, Annex B	c	
19	start-encryption	5.2.1.3, Annex B	c	
20	start-authentication	5.2.1.3, Annex B	c	
21	Send-NW-Token	5.2.1.3, Annex B	m	
22	Start-info-transfer	5.2.1.3, Annex B	m	
23	keep-connections	5.2.1.3, Annex B	m	
24	Start-DUC-setup	5.2.1.3, Annex B	m	
25	Include-MT-Id	5.2.1.3, Annex B	m	
26	dm-attributes	5.2.1.3, Annex B	c	

Comments:

Table A.134: RLC_NW_SIGNALLING_HANDOVER parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.3, Annex B	m	
2	mt-token-auth-encr	5.2.1.3, Annex B	c	

Comments:

Table A.135: RLC_NW_SIGNALLING_HANDOVER_ACK parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.3, Annex B	m	
2	ap-token-auth-encr	5.2.1.3, Annex B	c	

Comments:

Table A.136: RLC_HO_INFO_DISTRIBUTION parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.4, Annex B	m	
2	token	5.2.1.4, Annex B	m	

Comments:

Table A.137: RLC_HO_INFO_DISTRIBUTION_ACK parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.4, Annex B	m	
2	mac-id	5.2.1.4, Annex B	m	

Comments:

Table A.138: RLC_NETWORK_HANDOVER_COMPLETE parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.4, Annex B	m	
2	cl-id	5.2.1.4, Annex B	m	
3	duc-ext-ind	5.2.1.4, Annex B	m	
4	cl-conn-attr-length	5.2.1.4, Annex B	m	
5	duc-descr-list	5.2.1.4, Annex B	m	

Comments:

Table A.139: RLC_HANDOVER_REQUEST_NACK parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.5, Annex B	m	
2	mac-id-old	5.2.1.5, Annex B	m	
3	ap-id-old	5.2.1.5, Annex B	m	
4	net-id-old	5.2.1.5, Annex B	m	

Table A.140: RLC_FORCE_HANDOVER parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.6, Annex B	m	
2	return-flag	5.2.1.6, Annex B	m	
3	force-handover-cause	5.2.1.6, Annex B	m	
4	ap-id	5.2.1.6, Annex B	m	
5	net-id	5.2.1.6, Annex B	m	
6	frequency-index	5.2.1.6, Annex B	m	

Comments:

Table A.141: RLC_FORCE_HANDOVER_ACK parameters

Prerequisite: A.16 /1 MT supports handover or A.59/1 AP supports handover

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.1.6, Annex B	m	
2	mac-id	5.2.1.6, Annex B	m	

A.8.2.2 Dynamic Frequency Selection (DFS)

Table A.142: RLC_AP_ABSENCE parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.4, Annex B	m	
2	first-mac-frame	5.2.2.4, Annex B	m	
3	last-mac-frame	5.2.2.4, Annex B	m	

Comments:

Table A.143: RLC_DFS_MEASUREMENT_SHORT_REQUEST parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.4, Annex B	m	
2	frequency-index	5.2.2.4, Annex B	m	
3	use-omni-antenna	5.2.2.4, Annex B	m	
4	start-of-measurement	5.2.2.4, Annex B	m	
5	length-of-measurement	5.2.2.4, Annex B	m	
6	maximum-age-of-measurement	5.2.2.4, Annex B	m	

Comments:

Table A.144: RLC_DFS_MEASUREMENT_PERCENTILES_REQUEST parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.4, Annex B	m	
2	frequency-index	5.2.2.4, Annex B	m	
3	use-omni-antenna	5.2.2.4, Annex B	m	
4	start-of-measurement	5.2.2.4, Annex B	m	
5	measurement-window	5.2.2.4, Annex B	m	
6	rss-index-list	5.2.2.4, Annex B	m	

Comments:

Table A.145: RLC_DFS_MEASUREMENT_COMPLETE_REQUEST parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.4, Annex B	m	
2	frequency-index	5.2.2.4, Annex B	m	
3	use-omni-antenna	5.2.2.4, Annex B	m	
4	start-of-measurement	5.2.2.4, Annex B	m	
5	measurement-window	5.2.2.4, Annex B	m	
6	maximum-age-of-bch-measurement	5.2.2.4, Annex B	m	
7	rss-index-list	5.2.2.4, Annex B	m	

Comments:

Table A.146: RLC_DFS_MT_INIT_REPORT_REQUEST parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.4, Annex B	m	
2	measurement-type	5.2.2.4, Annex B	m	
3	frequency-index	5.2.2.4, Annex B	m	
4	adjacent-ch-interference	5.2.2.4, Annex B	m	
5	mac-id	5.2.2.4, Annex B	m	

Comments:

Table A.147: RLC_DFS_MT_INIT_REPORT_REQUEST_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.4, Annex B	m	
2	reporting-initialized	5.2.2.4, Annex B	m	

Comments:

Table A.148: RLC_DFS_REPORT_SHORT parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.4, Annex B	m	
2	frequency-index	5.2.2.4, Annex B	m	
3	omni-antenna-used	5.2.2.4, Annex B	m	
4	age-of-measurement	5.2.2.4, Annex B	m	
5	last-own-bch-rx-level	5.2.2.4, Annex B	m	
6	bch-found	5.2.2.4, Annex B	m	
7	traffic-load	5.2.2.4, Annex B	m	
8	ap-id	5.2.2.4, Annex B	m	
9	tx-level	5.2.2.4, Annex B	m	
10	net-Id	5.2.2.4, Annex B	m	
11	bch-rx-Level	5.2.2.4, Annex B	m	

Comments:

Table A.149: RLC_DFS_REPORT_PERCENTILES parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.4, Annex B	m	
2	frequency-index	5.2.2.4, Annex B	m	
3	omni-antenna-used	5.2.2.4, Annex B	m	
4	last-own-bch-rx-level	5.2.2.4, Annex B	m	
5	number-of-samples	5.2.2.4, Annex B	m	
6	rss-index-list	5.2.2.4, Annex B	m	
7	rss-statistics-list	5.2.2.4, Annex B	m	

Comments:

Table A.150: RLC_DFS_REPORT_COMPLETE parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.4, Annex B	m	
2	frequency-index	5.2.2.4, Annex B	m	
3	omni-antenna-used	5.2.2.4, Annex B	m	
4	age-of-measurement	5.2.2.4, Annex B	m	
5	last-own-bch-rx-level	5.2.2.4, Annex B	m	
6	bch-found	5.2.2.4, Annex B	m	
7	traffic-load	5.2.2.4, Annex B	m	
8	ap-id	5.2.2.4, Annex B	m	
9	tx-level	5.2.2.4, Annex B	m	
10	net-Id	5.2.2.4, Annex B	m	
11	bch-rx-Level	5.2.2.4, Annex B	m	
12	number-of-samples	5.2.2.4, Annex B	m	
13	rss-index-list	5.2.2.4, Annex B	m	
14	rss-statistics-list	5.2.2.4, Annex B	m	

Comments:

A.8.2.3 Change frequency

Table A.151: RLC_CHANGE_FREQUENCY parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.2.6, Annex B	m	
2	last-mac-frame	5.2.2.6, Annex B	m	
3	first-mac-frame	5.2.2.6, Annex B	m	
4	frequency-index	5.2.2.6, Annex B	m	

Comments:

A.8.2.4 Uplink power control

Table A.152: RLC_UPLINK_PC_CALIBRATION parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.3.1, Annex B	m	
2	pc-offset	5.2.3.1, Annex B	m	

Comments:

A.8.2.5 MT alive

Table A.153: RLC_MT_ALIVE_REQUEST parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.4, Annex B	m	
2	mt-alive-interval	5.2.4, Annex B	m	

Comments:

Table A.154: RLC_MT_ALIVE_REQUEST_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.4, Annex B	m	
2	mac-id	5.2.4, Annex B	m	

Comments:

Table A.155: RLC_MT_ALIVE parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.4, Annex B	m	
2	mac-id	5.2.4, Annex B	m	

Comments:

Table A.156: RLC_MT_ALIVE_ACK parameters

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.4, Annex B	m	

Comments:

A.8.2.6 MT absence

Table A.157: RLC_MT_ABSENCE parameters

Prerequisite: A.16/5 MT supports Absence or A.59/5 AP supports Absence

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.5, Annex B	m	
2	mt-absence-time	5.2.5, Annex B	m	
3	mac-id	5.2.5, Annex B	m	

Comments:

Table A.158: RLC_MT_ABSENCE_ACK parameters

Prerequisite: A.16 /5 MT supports Absence or A.59/5 AP supports Absence

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.5, Annex B	m	

Comments:

A.8.2.7 Power saving

Table A.159: RLC_SLEEP_REQUEST parameters

Prerequisite: A.16 /6 MT supports Power saving or nonemandatory for AP to support Power saving

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.6, Annex B	m	
2	sleep-group	5.2.6, Annex B	m	
3	care-of-broadcast	5.2.6, Annex B	m	
4	mac-id	5.2.6, Annex B	m	

Comments:

Table A.160: RLC_SLEEP_ACK parameters

Prerequisite: A.16 /6 MT supports Power saving or nonemandatory for AP to support Power saving

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.2.6, Annex B	m	
2	sleep-group	5.2.6, Annex B	m	
3	care-of-broadcast	5.2.6, Annex B	m	
4	offset	5.2.6, Annex B	m	

Comments:

A.8.3 Parameters of PDUs for DUC support

A.8.3.1 DUC setup

Table A.161: RLC_SETUP parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.1.1, Annex B	m	
2	cl-id	5.3.1.1, Annex B	m	
3	duc-ext-ind	5.3.1.1, Annex B	m	
4	cl-conn-attr-length	5.3.1.1, Annex B	m	
5	duc-descr-list	5.3.1.1, Annex B	m	

Comments:

Table A.162: RLC_CONNECT parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.1.1, Annex B	m	
2	cl-id	5.3.1.1, Annex B	m	
3	cl-conn-attr-length	5.3.1.1, Annex B	m	
4	duc-descr-list	5.3.1.1, Annex B	m	

Comments:

Table A.163: RLC_CONNECT_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.1.1, Annex B	m	
2	cl-id	5.3.1.1, Annex B	m	
3	cl-conn-attr-length	5.3.1.1, Annex B	m	
4	dlcc-descr-list	5.3.1.1, Annex B	m	

Comments:

A.8.3.2 DUC release

Table A.164: RLC_RELEASE parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.2.1, Annex B	m	
2	dlcc-id-list	5.3.2.1, Annex B	m	
3	release-cause	5.3.2.1, Annex B	m	

Comments:

Table A.165: RLC_RELEASE_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.2.1, Annex B	m	
2	dlcc-id-list	5.3.2.1, Annex B	m	

Comments:

A.8.3.3 DUC modify

Table A.166: RLC_MODIFY_REQ parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.3.1, Annex B	m	
2	duc-ext-ind	5.3.3.1, Annex B	m	
3	cl-conn-attr-length	5.3.3.1, Annex B	m	
4	duc-descr-list	5.3.3.1, Annex B	m	

Comments:

Table A.167: RLC_MODIFY parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.3.1, Annex B	m	
2	cl-conn-attr-length	5.3.3.1, Annex B	m	
3	duc-descr-list	5.3.3.1, Annex B	m	

Comments:

Table A.168: RLC_MODIFY_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.3.1, Annex B	m	
2	cl-conn-attr-length	5.3.3.1, Annex B	m	
3	dlcc-descr-list	5.3.3.1, Annex B	m	

Comments:

Table A.169: RLC_RESET parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.4.1, Annex B	m	
2	dlcc-id-list	5.3.4.1, Annex B	m	

Comments:

Table A.170: RLC_RESET_ACK parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.4.1, Annex B	m	
2	dlcc-id-list	5.3.4.1, Annex B	m	

Comments:

A.8.3.4 Direct Mode DUC setup

Table A.171: RLC_DM_SETUP parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.7.1, Annex B	m	
2	peer-mac-id	5.3.7.1, Annex B	m	
3	cl-id	5.3.7.1, Annex B	m	
4	duc-ext-ind	5.3.7.1, Annex B	m	
5	cl-conn-attr-length	5.3.7.1, Annex B	m	
6	duc-descr-list	5.3.7.1, Annex B	m	
7	cl-common-attr	5.3.7.1, Annex B	m	

Table A.172: RLC_DM_CONNECT parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.7.1, Annex B	m	
2	peer-mac-id	5.3.7.1, Annex B	m	
3	cl-id	5.3.7.1, Annex B	m	
4	cl-conn-attr-length	5.3.7.1, Annex B	m	
5	duc-descr-list	5.3.7.1, Annex B	m	

Comments:

Table A.173: RLC_DM_CONNECT_ACK parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.7.1, Annex B	m	
2	peer-mac-id	5.3.7.1, Annex B	m	
3	cl-id	5.3.7.1, Annex B	m	
4	cl-conn-attr-length	5.3.7.1, Annex B	m	
5	dlcc-descr-list	5.3.7.1, Annex B	m	

Comments:

Table A.174: RLC_DM_CONNECT_COMPLETE parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.7.1, Annex B	m	
2	peer-mac-id	5.3.7.1, Annex B	m	
3	dlcc-id-list	5.3.7.1, Annex B	m	

Comments:

Table A.175: RLC_DM_COMPLETE_ACK parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.7.1, Annex B	m	
2	peer-mac-id	5.3.7.1, Annex B	m	
3	mac-id	5.3.7.1, Annex B	m	

Comments:

Table A.176: RLC_RELAY_SETUP parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.7.3, Annex B	m	
2	peer-mac-id	5.3.7.3, Annex B	m	
3	cl-id	5.3.7.3, Annex B	m	
4	duc-ext-ind	5.3.7.3, Annex B	m	
5	cl-conn-attr-length	5.3.7.3, Annex B	m	
6	duc-descr-list	5.3.7.3, Annex B	m	
7	cl-common-attr	5.3.7.3, Annex B	m	

Table A.177: RLC_RELAY_SETUP_ACK parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.7.3, Annex B	m	
2	peer-mac-id	5.3.7.3, Annex B	m	
3	cl-conn-attr-length	5.3.7.3, Annex B	m	
4	dlcc-descr-list	5.3.7.3, Annex B	m	

Comments:

A.8.3.5 Direct Mode DUC release

Table A.178: RLC_DM_RELEASE parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.8.1, Annex B	m	
2	peer-mac-id	5.3.8.1, Annex B	m	
3	dlcc-id-list	5.3.8.1, Annex B	m	
4	release-cause	5.3.8.1, Annex B	m	

Comments:

Table A.179: RLC_DM_RELEASE_ACK parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.8.1, Annex B	m	
2	peer-mac-id	5.3.8.1, Annex B	m	
3	dlcc-id-list	5.3.8.1, Annex B	m	

Comments:

A.8.3.6 DUC relay release

Table A.180: RLC_RELAY_RELEASE parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.8.3, Annex B	m	
2	peer-mac-id	5.3.8.3, Annex B	m	
3	dlcc-id-list	5.3.8.3, Annex B	m	
4	release-cause	5.3.8.3, Annex B	m	

Comments:

Table A.181: RLC_RELAY_RELEASE_ACK parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.8.3, Annex B	m	
2	peer-mac-id	5.3.8.3, Annex B	m	
3	dlcc-id-list	5.3.8.3, Annex B	m	

Comments:

A.8.3.7 Direct Mode DUC modify

Table A.182: RLC_DM_MODIFY_REQ parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.9.1, Annex B	m	
2	peer-mac-id	5.3.9.1, Annex B	m	
3	cl-conn-attr-length	5.3.9.1, Annex B	m	
4	duc-descr-list	5.3.9.1, Annex B	m	

Comments:

Table A.183: RLC_DM_MODIFY parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.9.1, Annex B	m	
2	peer-mac-id	5.3.9.1, Annex B	m	
3	cl-conn-attr-length	5.3.9.1, Annex B	m	
4	duc-descr-list	5.3.9.1, Annex B	m	

Comments:

Table A.184: RLC_DM_MODIFY_ACK parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.9.1, Annex B	m	
2	peer-mac-id	5.3.9.1, Annex B	m	
3	cl-conn-attr-length	5.3.9.1, Annex B	m	
4	dlcc-descr-list	5.3.9.1, Annex B	m	

Comments:

Table A.185: RLC_DM_MODIFY_COMPLETE parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.9.1, Annex B	m	
2	peer-mac-id	5.3.9.1, Annex B	m	
3	dlcc-descr-list	5.3.9.1, Annex B	m	

Comments:

Table A.186: RLC_DM_MODIFY_COMPLETE_ACK parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.9.1, Annex B	m	
2	peer-mac-id	5.3.9.1, Annex B	m	
3	mac-id	5.3.9.1, Annex B	m	

Comments:

Table A.187: RLC_RELAY_MODIFY parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.9.3, Annex B	m	
2	peer-mac-id	5.3.9.3, Annex B	m	
3	cl-conn-attr-length	5.3.9.3, Annex B	m	
4	duc-descr-list	5.3.9.3, Annex B	m	

Comments:

Table A.188: RLC_RELAY_MODIFY_ACK parameters

Prerequisite: A.5/1 MT supports Direct mode or A.48/1 AP supports Direct mode

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	5.3.9.3, Annex B	m	
2	peer-mac-id	5.3.9.3, Annex B	m	
3	cl-conn-attr-length	5.3.9.3, Annex B	m	
4	dlcc-descr-list	5.3.9.3, Annex B	m	

Comments:

A.8.4 Parameters of PDUs for non support

Table A.189: RLC_NO_SUPPORT parameters

Prerequisite:

Item	Parameter	Reference	Status	Support
1	rlc-pdu-type	7, Annex B	m	
2	sch-lch	7, Annex B	m	
3	no-support-pdu-typei	7, Annex B	m	
4	extension-type	7, Annex B	m	
5	mac-id	7, Annex B	m	

Comments:

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